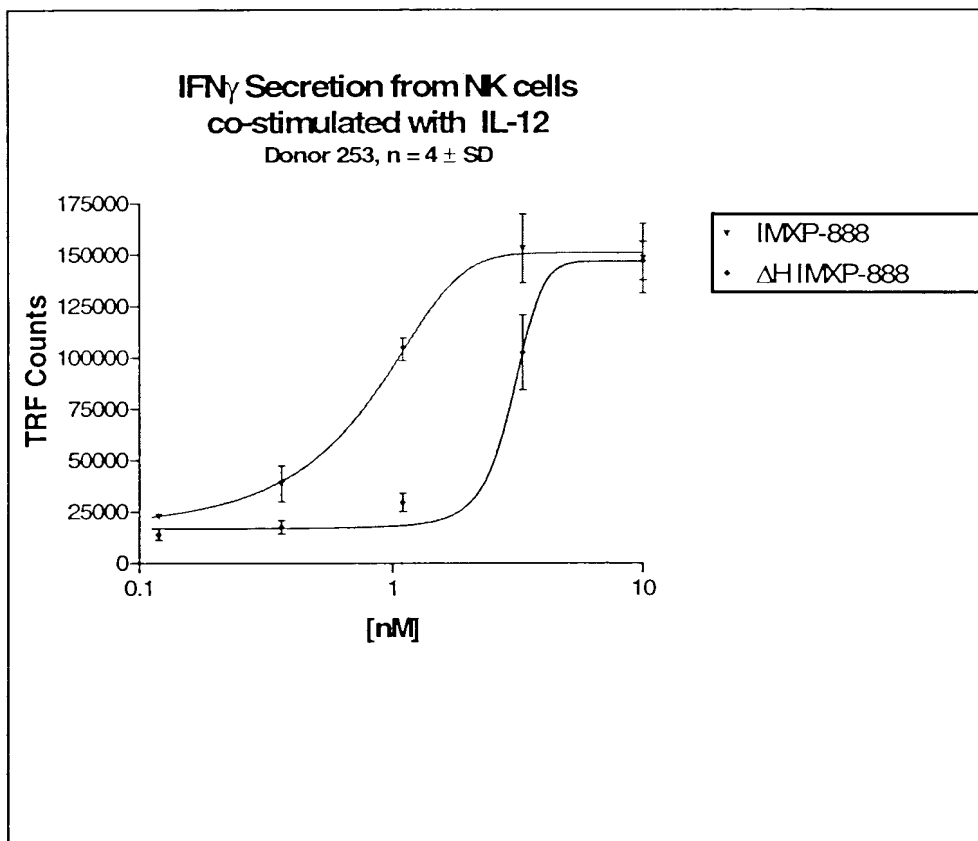


FIGURE 1



mumlsa3935c7.pep x mumlsa3935c2.pep (Murine splice variants)

```
1 MTRSPALLLLLLLGGALPSAEAAARGPPRMADKVVPRQVARLGRTVRLQCPVE 50
  |||
1 MTRSPALLLLLLLGGALPSAEAAAR..... 22
  .
  .
101 FGSLSVNYTLIIMDDISPGKESPGPGGSSGGQEDPASQQWARPRFTQPSK 150
    |||
23 .....DDISPGKESPGPGGSSGGQEDPASQQWARPRFTQPSK 59
151 MRRRVVIARPVGSSVRLKCVASGHPRPDIMWMKDDQTLTHLEASEHRKKKW 200
    |||
60 MRRRVVIARPVGSSVRLKCVASGHPRPDIMWMKDDQTLTHLEASEHRKKKW 109
201 TSLKLNKLPEDSGKYTCRVSNKAGAINATYKVDVIQRTRSKPVLGTGTHPV 250
    |||
110 TSLKLNKLPEDSGKYTCRVSNKAGAINATYKVDVIQRTRSKPVLGTGTHPV 159
251 NTTVDFGGTTSFQCKVRSDVKPVIQWLKRVEYGSEGRHNSTIDVGGQKFV 300
    |||
160 NTTVDFGGTTSFQCKVRSDVKPVIQWLKRVEYGSEGRHNSTIDVGGQKFV 209
301 VLPTGDVWSRPDGSYLNKLLISRARQDDAGMYICLGANTMGYSFRSAFLT 350
    |||
210 VLPTGDVWSRPDGSYLNKLLISRARQDDAGMYICLGANTMGYSFRSAFLT 259
351 VLPDPKPPGPPMASSSSSTSLPWPVVIGIPAGAVFILGTVLLWLCQTKKK 400
    |||
260 VLPDPKPPGPPMASSSSSTSLPWPVVIGIPAGAVFILGTVLLWLCQTKKK 309
401 PCAPASTLPVPGHRPPGTSRERSGDKDLPSLAVGICEEHGSAMAPQHILA 450
    |||
310 PCAPASTLPVPGHRPPGTSRERSGDKDLPSLAVGICEEHGSAMAPQHILA 359
451 SGSTAGPKLYPKLYTDVHTHTHTCTHTLSCGGQGSSTPACPLSVLNTA 500
    |||
360 SGSTAGPKLYPKLYTDVHTHTHTCTHTLSCGGQGSSTPACPLSVLNTA 409
501 NLQALCPEVGIWGPRQQVGRIENNGGRVS 529
    |||
410 NLQALCPEVGIWGPRQQVGRIENNGGRVS 438
```

FIGURE 2

```
Mouse: 1 MTRSPALLLLL---LGALPSAAARGPPRMADKVVPRQVARLGRTVRLQCPCVEGDPPPPL 56  
|| || || || | || | || || + || || || || || || || || || ||  
Human: 1 MTPSPLL LLLP PLLLLGAFPPAAAARGPPKMADKVVPRQVARLGRTVRLQCPCVEGDPPPPL 60  
  
Mouse: 57 TMWTKDGR TIHSGWSRFRVLP QGLKVKEVEAEADAGVYVCKATNGFGSLSVNYTLIIIMDDI 116  
||||| ||||| ||||| ||||| + ||||| ||||| ||||| ||||| +++ |||  
Human: 61 TMWTKDGR TIHSGWSRFRVLP QGLKVKQVEREDAGVYVCKATNGFGSLSVNYTLVLDDI 120  
  
Mouse: 117 SPGESPG PGSSGGGEDPASQQWARPRFTQP SKMRRRV IARPV GSSVR LKC VASGH PRP 176  
||||| || ||||| ||||| ||||| ||||| ||||| ||||| |||||  
Human: 121 SPGESLGP DSSSGGEDPASQQWARPRFTQP SKMRRRV IARPV GSSVR LKC VASGH PRP 180  
  
Mouse: 177 DIMWMK DDQT LTHLEA SEHRKKKKWTLS LKNLK PEDSGKY TCRVS NKAGA INAT YKVDVIQ 236  
|| ||||| || ||+ ||||| ||||| + ||||| ||||| |||||  
Human: 181 DITWMK DDQA LTRPEAAE PRKKKKWTLS LKNLR PEDSGKY TCRVS NRAGA INAT YKVDVIQ 240  
  
Mouse: 237 RTRS KPVLT GTHPVN TTVD FGTT SFQ CKVRS DVKP VIQL WKR VEYGSE GRHN STIDVG 296  
||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| + |||||  
Human: 241 RTRS KPVLT GTHPVN TTVD FGTT SFQ CKVRS DVKP VIQL WKR VEYGAE GRHN STIDVG 300  
  
Mouse: 297 QKFV VLPT GDVWSRP DGSYLN KLLISR ARQDD AGMYIC LGANTMGYS FRSAFLT VLPDPK 356  
||||| ||||| ||||| ||||| + ||||| ||||| ||||| |||||  
Human: 301 QKFV VLPT GDVWSRP DGSYLN KLLITRA RQDDAG MYICLG ANT MGYSFR SAFLT VLPDPK 360  
  
Mouse: 357 PP GP PMASS SSTSLPWP PVVIGIPAGAVFILGT VLLWL CQTKKK PCAPAST LPVP GHRRP 416  
||||| + ||||| + ||||| ||||| ||||| + ||||| ||||| + |||||  
Human: 361 PP GP PVASS SSTSLPWP PVVIGIPAGAVFILGT VLLWL CQAQ KKPC TPAPAP PLPG HRPP 420  
  
Mouse: 417 GTSRERSGDKDLPSLA-----VGICEEHGSAMAPQHILASGSTAGPKLYPKLYTDVHT 469  
|| |+ ||||| ||||| ||+ ||||| ||||| + ||||| ||||| + |||  
Human: 421 GTARDRSGDKDLPSLAALSAGPGV GLCEE HGSAPA PQHL LGPGVAGPKLYPKLYTDIHT 480  
  
Mouse: 470 HTHTHTCTHTLSCGGQSSTPACPLSVLNTA NLQALCP EVGIWGPR QQVGRIEN NGGRVS 529 (SEQ ID NO:1)  
||||| + ||+  
Human: 481 HTHTSHSTHSHEGVKHQHIHYQC 504 (SEQ ID NO:3)
```

FIGURE 3